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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/18/2009

Dr. Judy Jarecki-Black
Merial Limited
3239 Satellite Boulevard
Duluth, GA 30096

EXAMINER

HENRY, MICHAEL C

ART UNIT

PAPER NUMBER

1623

DATE MAILED: 12/18/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/568,715

02/17/2006

Fiona Murphy Kessabi

MER 70305

7073

TITLE OF INVENTION: AVERMECTINS AND AVERMECTIN MONOSACHARIDES SUBSTITUTED IN THE 4'-AND 4" POSITION HAVING PESTICIDAL PROPERTIES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/18/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

7590

12/18/2009

Dr. Judy Jarecki-Black
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3239 Satellite Boulevard
Duluth, GA 30096

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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TITLE OF INVENTION: AVERMECTINS AND AVERMECTIN MONOSACHARIDES SUBSTITUTED IN THE 4'-AND 4" POSITION HAVING PESTICIDAL PROPERTIES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional

NO

\$1510

\$300

\$0

\$1810

03/18/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
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HENRY, MICHAEL C

1623

514-030000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

HENRY, MICHAEL C

ART UNIT

PAPER NUMBER

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DATE MAILED: 12/18/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 673 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 673 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/568,715	KESSABI ET AL.	
	Examiner	Art Unit	
	MICHAEL C. HENRY	1623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 08/31/09.
2. ☒ The allowed claim(s) is/are 1-4, 7 and 9-22. These claims are renumbered 1-19, respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

/Shaojia Anna Jiang/
Supervisory Patent Examiner, Art Unit 1623

Art Unit: 1623

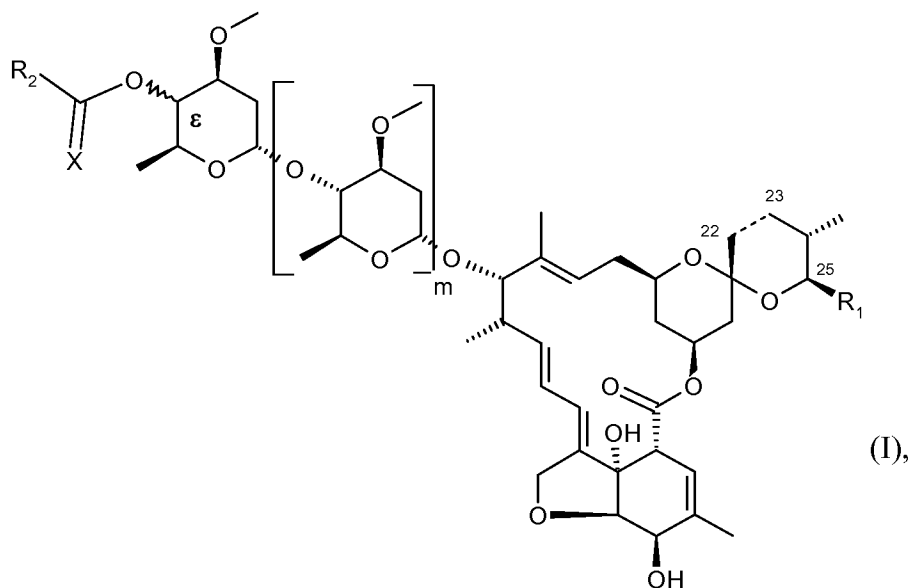
EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Esteban Ezcurra (Reg # 61,004) on 12/15/09.

The application has been amended as follows:

Claim 1 (Currently amended): A compound of the formula



wherein the bond between carbon atoms 22 and 23 is a single or double bond;

m is 0 or 1;

R₁ is C₁-C₁₂alkyl, C₃-C₈cycloalkyl or C₂-C₁₂alkenyl; and either

(A) R₂ is -N(R₃)R₄, and

(1) X is O, wherein

Art Unit: 1623

R₃ is hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkenyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkynyl, aryl or heterocyclyl, and

R₄ is mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkenyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkynyl, unsubstituted or mono- to trisubstituted heterocyclyl, unsubstituted or mono- to pentasubstituted aryl, NH₂, NHC₁-C₁₂alkyl, N(C₁-C₁₂alkyl)₂, C₁-C₆alkyl-N(C₁-C₁₂alkyl)₂, ~~C₁-C₆alkyl-N⁺(C₁-C₁₂alkyl)₃~~, SO₂NH₂, SO₂NHC₆H₅, SO₂Phenyl, SO₂Benzyl, OH, -OC₁-C₁₂alkyl, -OC₁-C₁₂alkenyl or -OC₁-C₁₂alkynyl; or

(2) X is S, wherein

R₃ is hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkenyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkynyl; aryl or heterocyclyl, and

R₄ is hydrogen, unsubstituted or mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkenyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkynyl, unsubstituted or mono- to trisubstituted heterocyclyl, unsubstituted or mono- to pentasubstituted aryl, NH₂, NHC₁-C₁₂alkyl, N(C₁-C₁₂alkyl)₂, SO₂NH₂, SO₂NHC₆H₅, SO₂Phenyl, SO₂Benzyl, OH or -OC₁-C₁₂alkyl; or

(3) X is O or S, wherein R₃ and R₄ together are a three- to seven-membered alkylene or a four- to seven-membered alkenylene bridge, in which a CH₂ group may be replaced by Θ , S, C=O or NR₆;

in which the substituents of the alkyl-, alkenyl-, alkynyl-, alkylene-, alkenylene-, heterocyclyl-, aryl- and cycloalkyl-radicals mentioned under R₃ and R₄ are selected from the

Art Unit: 1623

group consisting of halogen, halo-C₁-C₂alkyl, CN, SCN, NO₂, C₂-C₆alkynyl, C₃-C₈cycloalkyl which is unsubstituted or substituted by one to three methyl groups; norbornylenyl; C₃-C₈cycloalkenyl which is unsubstituted or substituted by one to three methyl groups; C₃-C₈halocycloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂alkoxyC₁-C₁₂alkoxy, C₃-C₈cycloalkoxy, C₁-C₁₂alkylthio, C₃-C₈cycloalkylthio, C₁-C₁₂haloalkylthio, C₁-C₁₂alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₁₂haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₁₂alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₁₂haloalkylsulfonyl, C₃-C₈halocycloalkylsulfonyl, C₂-C₈alkenyl, C₂-C₈alkynyl, -N(R₆)₂, wherein the two R₆ are independent of each other; -C(=O)R₇, -O-C(=O)R₈, -NHC(=O)R₇, -S-C(=S)R₈, -P(=O)(OC₁-C₆alkyl)₂, -S(=O)₂R₁₁; -NH-S(=O)₂R₁₁, -OC(=O)-C₁-C₆alkyl-S(=O)₂R₁₁; heterocyclyl, aryloxy, benzyloxy, heterocycloxy, arylthio, benzylthio or heterocyclylthio, each of which may be mono- to pentasubstituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl, dimethylamino-C₁-C₆alkoxy, C₂-C₈alkenyl, C₂-C₈alkynyl, phenoxy, phenyl-C₁-C₆alkyl, methylenedioxy, -C(=O)R₇, -O-C(=O)-R₈, -NH-C(=O)R₈, -N(R₁₀)₂, wherein the two R₁₀ are independent of each other; C₁-C₆alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₆haloalkylsulfonyl and C₃-C₈halocycloalkylsulfonyl; or

(B) R₂ is OR₅ and X is O or S, wherein R₅ is mono- to pentasubstituted C₁-C₁₂alkyl, unsubstituted or mono- to pentasubstituted C₃-C₁₂cycloalkyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkenyl, unsubstituted or mono- to pentasubstituted C₂-C₁₂alkynyl;

in which the substituents of the alkyl-, alkenyl-, alkynyl-, ~~alkylene-, alkenylene-, heterocyclyl-, aryl-~~ and cycloalkyl-radicals mentioned under ~~R₃, R₄ and~~ R₅ are selected from the group consisting of OH, ~~halogen, halo-C₁-C₂alkyl,~~ CN, SCN, NO₂, C₂-C₆alkynyl, C₃-C₈cycloalkyl which is unsubstituted or substituted by one to three methyl groups; norbornylenyl; C₃-C₈cycloalkenyl which is unsubstituted or substituted by one to three methyl groups; C₃-C₈halocycloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂alkoxyC₁-C₁₂alkoxy, C₃-C₈cycloalkoxy, C₁-C₁₂alkylthio, C₃-C₈cycloalkylthio, C₁-C₁₂haloalkylthio, C₁-C₁₂alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₁₂haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₁₂alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₁₂haloalkylsulfonyl and C₃-C₈halocycloalkylsulfonyl;

Art Unit: 1623

C₃-C₈cycloalkylsulfonyl, C₁-C₁₂haloalkylsulfonyl, C₃-C₈halocycloalkylsulfonyl, C₂-C₈alkenyl, C₂-C₈alkynyl, -N(R₆)₂, wherein the two R₆ are independent of each other; -C(=O)R₇, -O-C(=O)R₈, -NHC(=O)R₇, -S-C(=S)R₈, -P(=O)(OC₁-C₆alkyl)₂, -S(=O)₂R₁₁; -NH-S(=O)₂R₁₁, -OC(=O)-C₁-C₆alkyl-S(=O)₂R₁₁; ~~aryl, benzyl, heterocyclyl, aryloxy, benzyloxy, heterocyclyloxy, arylthio, benzylthio, heterocyclylthio;~~ and also aryl, heterocyclyl, aryloxy, benzyloxy, heterocyclyloxy, arylthio, benzylthio or heterocyclylthio, each of which may be mono- to pentasubstituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl, dimethylamino-C₁-C₆alkoxy, C₂-C₈alkenyl, C₂-C₈alkynyl, phenoxy, phenyl-C₁-C₆alkyl, methylenedioxy, -C(=O)R₇, -O-C(=O)-R₈, -NH-C(=O)R₈, -N(R₁₀)₂, wherein the two R₁₀ are independent of each other; C₁-C₆alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₆haloalkylsulfonyl and C₃-C₈halocycloalkylsulfonyl;

R₆ is H, C₁-C₈alkyl, hydroxy-C₁-C₈alkyl, C₃-C₈cycloalkyl, C₂-C₈alkenyl, C₂-C₈alkynyl, phenyl, benzyl, -C(=O)R₇, or -CH₂-C(=O)-R₇;

R₇ is H, OH, SH, -N(R₁₀)₂, wherein the two R₁₀ are independent of each other; C₁-C₂₄alkyl, C₂-C₁₂alkenyl, C₁-C₈hydroxyalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy, C₁-C₆alkoxy-C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₁₂alkylthio, C₂-C₈alkenyloxy, C₂-C₈alkynyloxy, NH-C₁-C₆alkyl-C(=O)R₉, -N(C₁-C₆alkyl)-C₁-C₆alkyl-C(=O)-R₉, -O-C₁-C₂alkyl-C(=O)-R₉, -C₁-C₆alkyl-S(=O)₂R₉; ~~aryl, benzyl, heterocyclyl, aryloxy, benzyloxy, heterocyclyloxy;~~ or aryl, benzyl, heterocyclyl, aryloxy, benzyloxy or heterocyclyloxy, each of which are unsubstituted or mono- to trisubstituted in the ring independently of one another by halogen, nitro, C₁-C₆alkyl, C₁-C₆alkoxy, C₁-C₆haloalkyl or C₁-C₆haloalkoxy;

R₈ is H, C₁-C₂₄alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂hydroxyalkyl, C₂-C₈alkenyl, C₂-C₈alkynyl, C₁-C₆alkoxy-C₁-C₆alkyl, N(R₁₀)₂, wherein the two R₁₀ are independent of each other; -C₁-C₆alkyl-C(=O)R₁₀, -C₁-C₆alkyl-S(=O)₂R₉, ~~aryl, benzyl, heterocyclyl;~~ or aryl, benzyl or heterocyclyl, each of which may be mono- to trisubstituted by substituents selected from the group consisting

Art Unit: 1623

of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio and C₁-C₁₂haloalkylthio;

R₉ is H, OH, C₁-C₂₄alkyl which is optionally substituted with OH, or -S(=O)₂-C₁-C₆alkyl; C₁-C₁₂alkenyl, C₁-C₁₂alkynyl, C₁-C₁₂alkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy, C₂-C₈alkenyloxy, aryl, aryloxy, benzyloxy, heterocyclyl, heterocyclyloxy or -N(R₁₀)₂, wherein the two R₁₀ are independent of each other;

R₁₀ is H, C₁-C₆alkyl, which is optionally substituted with one to five substituents selected from the group consisting of halogen, C₁-C₆alkoxy, hydroxy and cyano; C₁-C₈-cycloalkyl, ~~aryl, benzyl, heterocyclyl~~; or aryl, benzyl or heterocyclyl, each of which may be ~~are~~ mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio and C₁-C₁₂haloalkylthio;

or, an E/Z isomer, E/Z isomer mixture and/or tautomer thereof, or a salt thereof.

Claim 8 (canceled).

DETAILED ACTION

Claims 1, 2 and 9-22 directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 3, 4 and 7, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, **the restriction requirement as set forth in the Office action mailed on April 2, 2009 is hereby withdrawn.** In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

REASONS FOR ALLOWANCE

Applicant's amendments, filed 08/31/09 have overcome the rejections made under 35 U.S.C. 112, second paragraph and under 35 U.S.C. 103(a) in the office action mailed 04/30/09.

The following is an examiner's statement of reasons for allowance: The examiner has found claims 1-4, 7 and 9-22 to be unobvious over the prior art of record and therefore to be allowable over the prior art of record. The present invention relates to a compound of a given formula, an E/Z isomer, E/Z isomer mixture and/or tautomer thereof, or a salt thereof. Also, the invention relates to a method of preparing and using a composition comprising said compound. The compound or composition of the present invention is not taught or suggested in the prior art and is not obvious over the prior art. Also, the method of preparation and use of said composition are not taught or suggested in the prior art and are unobvious over the prior art. For example, the compounds of the present invention are structurally different to the compounds of prior art documents and these differences are not suggested in the prior art, nor are obvious over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Henry whose telephone number is 571-272-0652. The examiner can normally be reached on 8.30am-5pm; Mon-Fri. If attempts to reach the

Art Unit: 1623

examiner by telephone are unsuccessful, the examiner's supervisor, Shaojia A. Jiang can be reached on 571-272-0627. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Henry
December 15, 2009.

/Shaojia Anna Jiang/
Supervisory Patent Examiner
Art Unit 1623